There are 7 frieze-pattern groups (https://en.wikipedia.org/wiki/Frieze_group). To generate the patterns, we will need to use translation, reflection, rotation (by 180°), and glide reflection (a combination of a reflection and translation). Please continue the frieze patterns shown below.

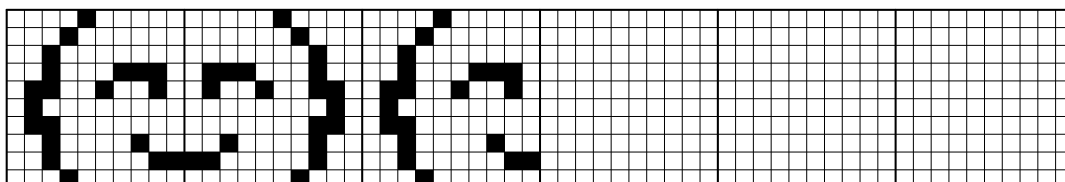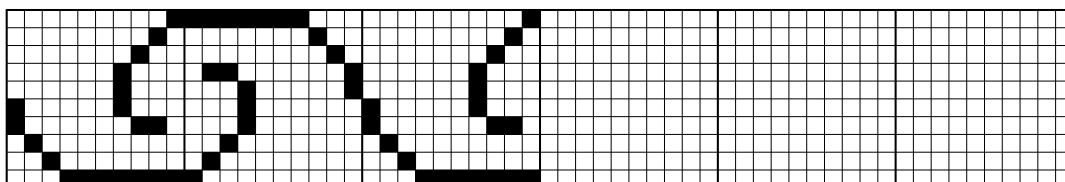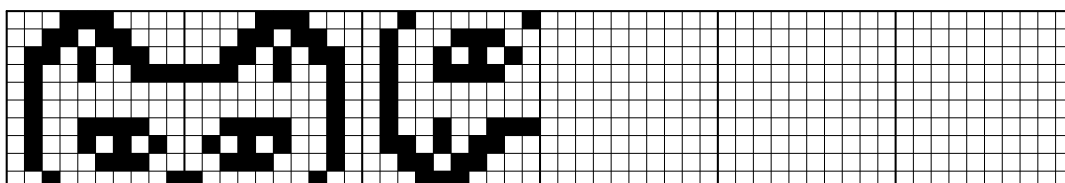## Hop (p1, translation only)
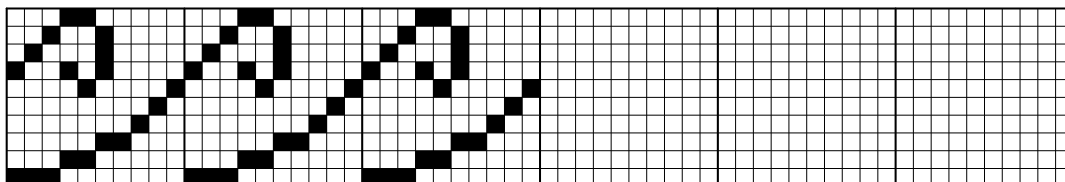
Step (p11g, glide reflections)
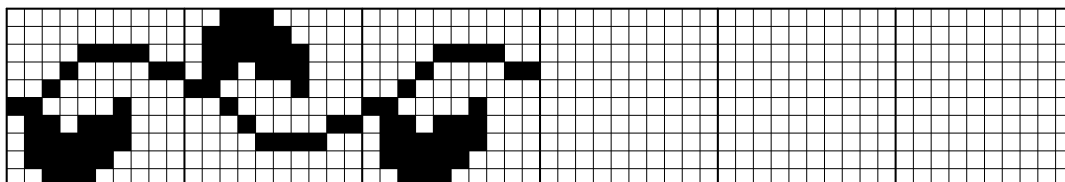
Sidle (p1m1, reflections)

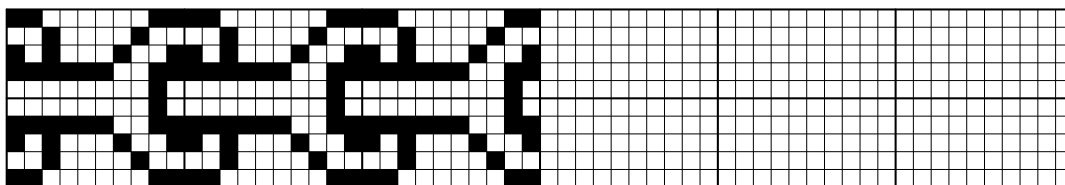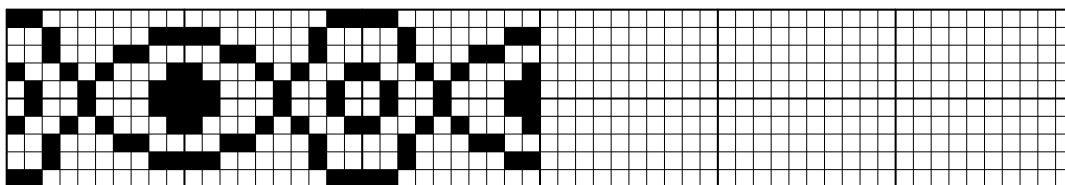## Spinning hop (p2, 180° rotations)

Spinning sidle (p2mg, reflections and 180° rotations)

Jump (p11m, reflection over horizontal axis, translation)

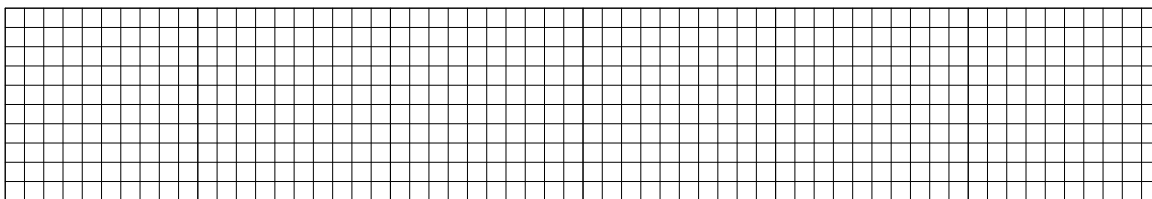## Spinning jump (p2mm, reflections over horizontal axis and vertical axes)

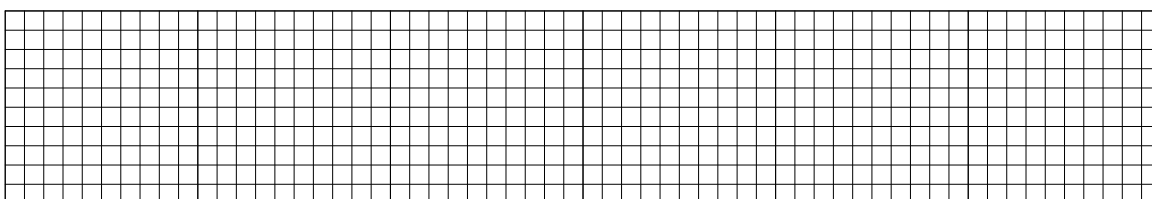Now, make your own! Choose 3 (different) frieze groups, and make a pattern. You might try this tool: https://chadworley.github.io/frieze/frieze.html

Keep in mind, you do not need to actually fill the "pixels". You can draw smooth curves; you might find the grid helpful when enforcing the symmetry.

PLEASE SPECIFY WHICH FRIEZE GROUP YOU ARE USING!

Frieze Group:

Frieze Group:

Frieze Group: